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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,112	06/23/2003	Jan Bares	10155 (3080-004-01)	8472
33432	7590	12/21/2004	EXAMINER	
KILYK & BOWERSOX, P.L.L.C. 53 A EAST LEE STREET WARRENTON, VA 20186			CHAPMAN, MARK A	
			ART UNIT	PAPER NUMBER
			1756	

DATE MAILED: 12/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

10/602,112

Applicant(s)

BARES ET AL.

Examiner

Art Unit

Mark A. Chapman

1756

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11-8-04.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 06232003.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-23 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Jadwin (6,766,136). Jadwin teaches a development system and method for developing where a supply of dry developer mixture comprising magnetic toner particles and hard magnetic carrier particles; a non-magnetic, cylindrical shell for transporting the developer from said supply to a development zone, wherein said shell is rotatable or stationary; a rotating magnetic core of a pre-selected magnetic field strength; means for rotating at least said magnetic core to provide for the transport of said toner particles from said shell to an electrostatic image (claims). Jadwin teaches that the surface treatment agent for the toner can be silica, metal oxide, inorganic oxide, and polymeric material.

3. Claims 1-23 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Fields (6,797,448). Fields teaches a development system and method for developing where a supply of dry developer mixture comprising magnetic toner particles and hard magnetic carrier particles; a non-magnetic, cylindrical shell for transporting the

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developer from said supply to a development zone, wherein said shell is rotatable or stationary; a rotating magnetic core of a pre-selected magnetic field strength; means for rotating at least said magnetic core to provide for the transport of said toner particles from said shell to an electrostatic image (claims). Fields teaches that the surface treatment agent for the toner can be silica, metal oxide, inorganic oxide, and polymeric material.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fritz (4,473,029) in view of each of Fields (6,200,722), Asanae (5,731,121), and Young (5,489,497). Fritz teaches a development system and method for developing where a supply of dry developer mixture comprising magnetic toner particles and hard magnetic carrier particles; a non-magnetic, cylindrical shell for transporting the developer from said supply to a development zone, wherein said shell is rotatable or stationary; a rotating magnetic core of a pre-selected magnetic field strength; means for rotating at least said magnetic core to provide for the transport of said toner particles from said shell to an electrostatic image (claims). Although Fritz does not specifically teach surface treatment agents, Fritz suggests that the toner may contain well known art recognized additives (col. 13 lines 45-53). Fields (claims), Asanae (claims), and Young

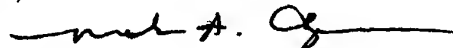
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(claims) each teach that the surface treatment agent for the toner can be silica, metal oxide, inorganic oxide, and polymeric material. It would have been obvious to one of ordinary skill in the art to use the well known surface treatment agent taught by Fields, Asanae, and Young in the toner and related development system and method taught by Fritz because of the direct suggestion of the prior art and the known and predictable performance of surface treatment agents used in similar toner applications.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark A. Chapman whose telephone number is 571-272-1381. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Mark A. Chapman  
Primary Examiner  
Art Unit 1756

MC